

## Conversational Assistance Track results — (HPCLab-CNR) ISTI-CNR

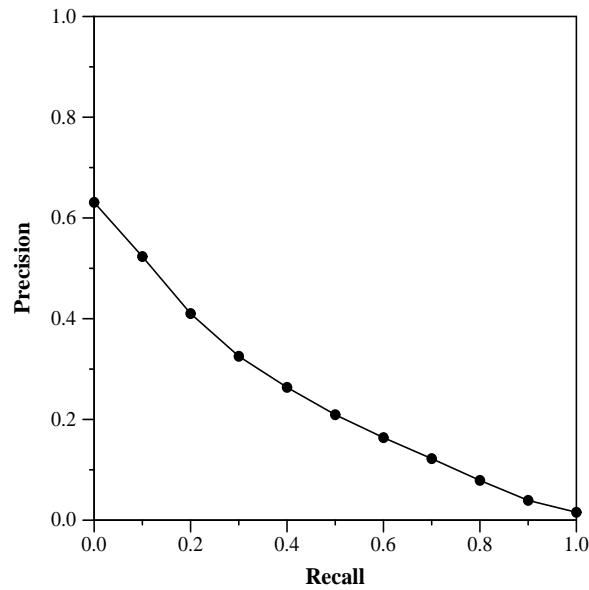
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| Run Description                 |   |
|---------------------------------|---|
| Run ID                          | HPCLab-CNR-run3   |
| Submission Category             | Raw utterance and canonical responses   |
| Query Method Features           | method uses a standard NLP toolkit; method uses entity linking; method performs query expansion                           |
| Query Data Features             | method uses other external data   |
| Passage Ranking Method Features | method uses a pre-trained neural language model   |
| Passage Ranking Data Features   | method is trained with TREC Deep Learning Track and/or MS MARCO dataset   |
| Conversational Context Features | method uses previous raw utterances (queries) in the topic; method uses previous automatic canonical result for the topic |

| Overall measures         |        |
|--------------------------|--------|
| Number of topics         | 208    |
| Total number retrieved   | 208000 |
| Total relevant           | 6670   |
| Total relevant retrieved | 4087   |
| Mean NDCG @ 3            | 0.3311 |
| Mean NDCG @ 5            | 0.3187 |
| Mean NDCG @ 1000         | 0.4218 |
| MAP                      | 0.2363 |

| Document Level Averages |           |
|-------------------------|-----------|
|                         | Precision |
| At 5 docs               | 0.4173    |
| At 10 docs              | 0.3841    |
| At 15 docs              | 0.3542    |
| At 20 docs              | 0.3173    |
| At 30 docs              | 0.2702    |



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